20020830 "9h726001

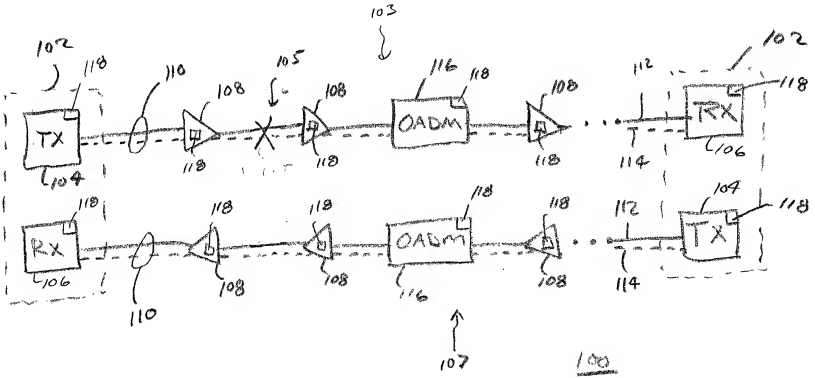

FIG. 1

20208"9h26004

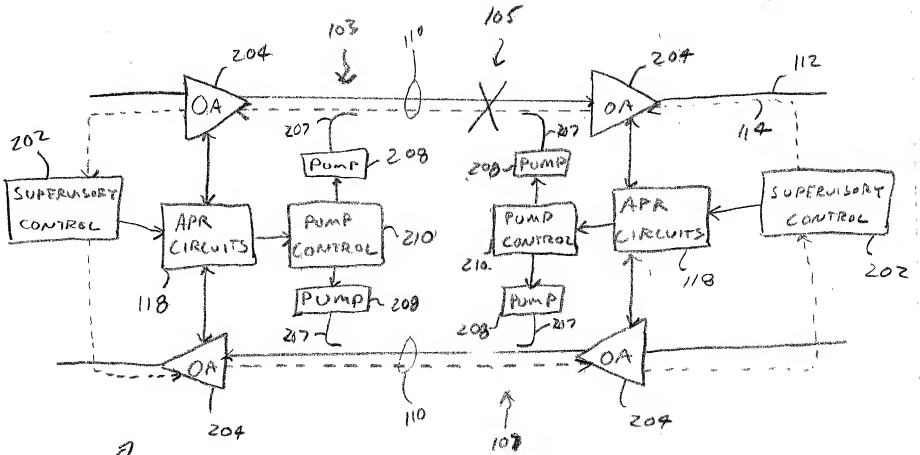

FIG. 2

20030044702A1

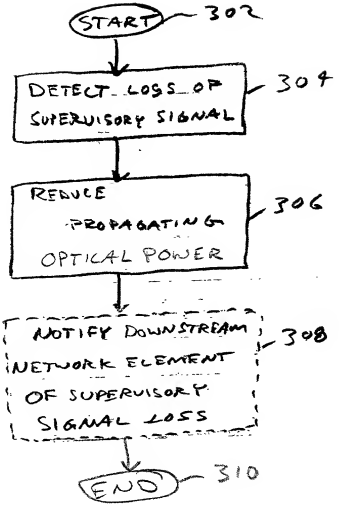

FIG 3

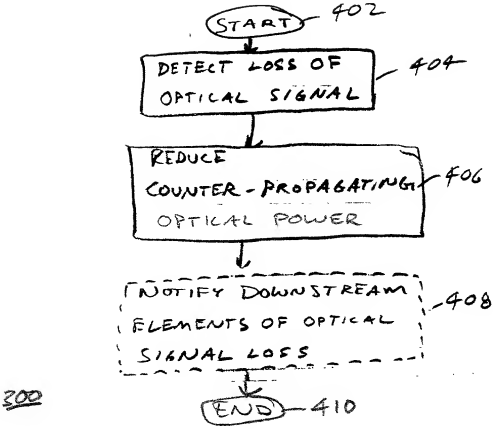
START
402
DETECT LOSS OF OPTICAL SIGNAL
404
REDUCE COUNTER-PROPAGATING OPTICAL POWER
406
NOTIFY DOWNSTREAM ELEMENTS OF OPTICAL SIGNAL LOSS
408
END
410
300

FIG. 4

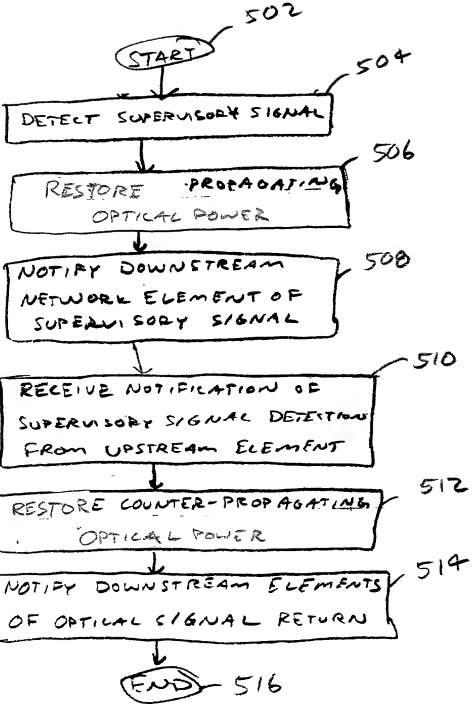
502
START
504
DETECT SUPERVISORY SIGNAL
506
RESTORE PROPAGATING OPTICAL POWER
508
NOTIFY DOWNSTREAM NETWORK ELEMENT OF SUPERVISORY SIGNAL
510
RECEIVE NOTIFICATION OF SUPERVISORY SIGNAL DETECTION FROM UPSTREAM ELEMENT
512
RESTORE COUNTER-PROPAGATING OPTICAL POWER
514
NOTIFY DOWNSTREAM ELEMENTS OF OPTICAL SIGNAL RETURN
500
END
516

FIG. 5